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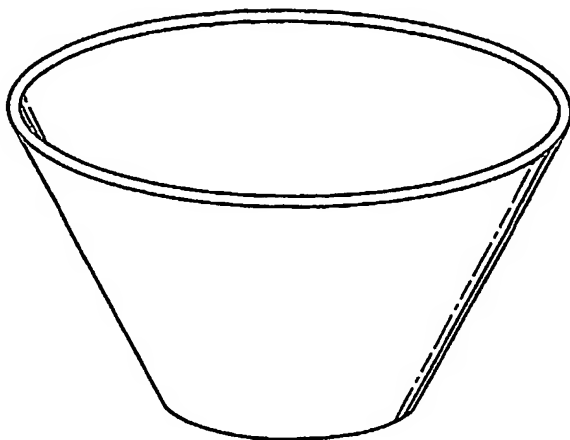
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— as to applicant's entitlement to apply for and be granted
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CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE,
EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,
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[Continued on next page]

(54) Title: **MOLDED THREE-DIMENSIONAL INSULATOR**



(57) Abstract: This invention provides a molded three-di-
mensional insulator that is suitable for use in an end cone
region of a pollution control device. The invention also pro-
vides a method of making the insulator. The insulator in-
cludes ceramic fibers that have a bulk shrinkage no greater
than 10 weight percent. The ceramic fibers contain alumina
and silica and are microcrystalline, crystalline, or a combi-
nation thereof.



CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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A. CLASSIFICATION OF SUBJECT MATTER

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C04B22/00 C04B20/00 C04B14/46 F01N7/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97/48890 A (MINNESOTA MINING & MFG) 24 December 1997 (1997-12-24) page 6, lines 1-8; example 2	1-23
X	US 5 736 109 A (WATANABE TOSHIYUKI ET AL) 7 April 1998 (1998-04-07) column 5, lines 21-35; claim 1; example 7	1,3-7,9
X	EP 0 573 834 A (MINNESOTA MINING & MFG) 15 December 1993 (1993-12-15) cited in the application page 3, lines 31-57; examples 1-5	1-9
X	WO 99/46028 A (UNIFRAX CORP) 16 September 1999 (1999-09-16) cited in the application page 14, line 6 - page 15, line 12; claim 1 page 12, line 20 - page 13, line 2	1,3-7,9

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Patent family members are listed in annex.

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Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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Information on patent family members

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